

## SEQUENCE LISTING

&lt;110&gt; Advanced Technologies (Cambridge) Ltd.

&lt;120&gt; Limit Dextrinase Inhibitor Promoter

&lt;130&gt; RD-ATC-33

&lt;140&gt;

&lt;141&gt;

&lt;160&gt; 9

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 833

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 1

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catcgattac tatagggcac gcgtgggtcga cggcccgggc tgttattgga caccaaattgt 60
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aagcatgctt gcaacagtaa cacgaacatt cataaaaaaa atatttttta agaaaacatt 180
tactattttt ttgttactat tcatctggga gcatgtgctt ccggaagcca aaatgccccct 240
tccaatatgc cccgtgtaaa agaaacccct tctttcctaa aaatatatat catcgtccgt 300
catgatacgt ttatgtattc aacgaaaaat attttcgcat gtcacaaaaa atgttttata 360
ttacacaagt gaacaaatat gataaactcc ctctgtgttaa ctattttttc tgtgaaataa 420
aaggatgaca atcaaaaacaa aaatgtagac tgtaaacaaa gaaaacatta tttcctagaa 480
ataaaaaaaa agattagagg gatatgtatt gtcgaaacac atgaggacta gaacaaaaga 540
aaaagggaag tgagaaggaa aaaaggggta accattaccc aaagaaaaca gaaagtaaac 600
tagacgtgtc gaagggaac ggagtttgca ggggcgttcc aaattcagtt gcaagaacct 660
ccaaataaac gccacaaga aagaaatgag cattacttgc gcgctttgca ctcttatctc 720
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gccaccagg ccaagagatt gaaccaacga ccaataaact agtatcaaca atg 833

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&lt;210&gt; 2

&lt;211&gt; 517

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (14)..(457)

&lt;400&gt; 2

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actagtatca aca atg gca tcc gac cat cgt cgc ttc gtc ctc tcc ggc 49
          Met Ala Ser Asp His Arg Arg Phe Val Leu Ser Gly
              1              5              10

gcc gtc ttg ctc tcg gtc ctc gcc gtc gcc gcc gcc acc ctg gag agc 97
Ala Val Leu Leu Ser Val Leu Ala Val Ala Ala Ala Thr Leu Glu Ser
          15              20              25

gtc aag gac gag tgc caa cca ggg gtg gac ttc ccg cat aac ccg tta 145
Val Lys Asp Glu Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu
          30              35              40

gcc acc tgc cac acc tac gtg ata aaa cgg gtc tgc ggc cgc ggt ccc 193
Ala Thr Cys His Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro
          45              50              55              60

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agc cgg ccc atg ctg gtg aag gag cgg tgc tgc cgg gag ctg gcg gcc 241  
 Ser Arg Pro Met Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala  
 65 70 75  
 gtc ccg gat cac tgc cgg tgc gag gcg ctg cgc atc ctc atg gac ggg 289  
 Val Pro Asp His Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly  
 80 85 90  
 gtg cgc acg ccg gag ggc cgc gtg gtt gag gga cgg ctc ggt gac agg 337  
 Val Arg Thr Pro Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg  
 95 100 105  
 cgt gac tgc ccg agg gag gag cag agg gcg ttc gcc gcc acg ctt gtc 385  
 Arg Asp Cys Pro Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val  
 110 115 120  
 acg gcg gcg gag tgc aac cta tgc tcc gtc cag gag ccg gga gta cgc 433  
 Thr Ala Ala Glu Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg  
 125 130 135 140  
 ttg gtg cta ctg gca gat gga tga cgatcgaaat gcgccaaggt aatgaagcgg 487  
 Leu Val Leu Leu Ala Asp Gly  
 145  
 agtactgtat acagaataaaa agtactcgag 517

&lt;210&gt; 3

&lt;211&gt; 147

&lt;212&gt; PRT

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 3

Met Ala Ser Asp His Arg Arg Phe Val Leu Ser Gly Ala Val Leu Leu  
 1 5 10 15  
 Ser Val Leu Ala Val Ala Ala Ala Thr Leu Glu Ser Val Lys Asp Glu  
 20 25 30  
 Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu Ala Thr Cys His  
 35 40 45  
 Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro Ser Arg Pro Met  
 50 55 60  
 Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala Val Pro Asp His  
 65 70 75 80  
 Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly Val Arg Thr Pro  
 85 90 95  
 Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg Arg Asp Cys Pro  
 100 105 110  
 Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val Thr Ala Ala Glu  
 115 120 125  
 Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg Leu Val Leu Leu  
 130 135 140  
 Ala Asp Gly  
 145

&lt;210&gt; 4

&lt;211&gt; 35

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

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35

<210> 5

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 5

ccaacctttt ttattcatca atcggccac

29

<210> 6

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Primer

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gtaatacgac tcactatagg gc

22

<210> 7

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

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26

<210> 8

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 8

actatagggc acgcgtggt

19

<210> 9

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 9

agacggcgcc ggagaggacg aagcga

26